

Technical Data Sheet

Icorene 3575

Linear Low Density Polyethylene
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 3575 is a hexene linear low density polyethylene with outstanding processability, specifically developed for rotational moulding.

This grade is suitable for use in general purpose applications. It has a good balance of properties such as toughness, easy flow and stiffness.
ICORENE® 3575 is WRAS approved: 1612553

General

Additive	• UV Stabilizer		
Features	• Good Processability • Good Stiffness	• Good Toughness • High Flow	• UV Resistant
Uses	• Containers	• General Purpose	
Appearance	• Natural Color	• Unspecified Color	
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.935 g/cm³	0.935 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	7.0 g/10 min	7.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	2470 psi	17.0 MPa	ISO 527
Tensile Elongation (Break)	> 450 %	> 450 %	ASTM D638
Flexural Modulus	94300 psi	650 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance ¹ (-4°F (-20°C))	3.82 in·lb/mil	170 J/cm	Internal Method
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	55	55	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	239 °F	115 °C	ISO 306
Melting Temperature	261 °F	127 °C	DSC

Notes

¹ Based on ISO 6603

Notes

These are typical property values not to be construed as specification limits.